

Managing the Effects of Wet Coal on Generation in Thermal Power Station: A Case Study

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Abstract : The coal acts as a fuel on a very large scale. Coal forms the basis of any thermal power plant. Different types of coal are available for utilization. The moisture content, volatile nature and ash content determines the type of the coal. Out of these moisture plays a very important part as it is present naturally within the coal and is added while handling the coal and is termed as wet coal. The problems of wet coal are many and more particularly during rainy season such as generation loss, jamming of crusher, reduction in calorific value, transportation of coal etc. Efforts are made to resolve the problems arising out of wet coal worldwide. This paper highlights the issue of resolving the problem due to wet coal with the help of a case study involving installation of V-type wiper on the conveyer belt.

Keywords : coal handling plant, wet coal, v-type, generation

Conference Title : ICPSS 2017 : International Conference on Power Sources and Systems

Conference Location : London, United Kingdom

Conference Dates : February 16-17, 2017